Trigonometry

THE WALL THE

$$Sim(A+B)Sim(A-B) = Sim^2A - Sim^2B$$

$$= cep^2B - cep^2A$$

$$cep(A+B)cep(A-B) = cep^2A - Sim^2B$$

$$= cep^2B - Sim^2A$$

$$7am(A \pm B) = \frac{7am \pm 7am B}{1 \mp 7am A 7am B}$$

Cof $(A \pm B) = \frac{1}{1 + 1}$

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$$sine + sin D = 2 sin \frac{c+D}{2} cas \frac{e-D}{2}$$

 $sine - sin D = 2 cas \frac{c+D}{2} sin \frac{e-D}{2}$
 $cese + casD = 2 cas \frac{e+D}{2} cas \frac{e-D}{2}$
 $cese + casD = 2 sin \frac{e+D}{2} sin \frac{D-e}{2}$

$$Sin 3A = 3 Sin A - 4 Sin^3 A$$

$$Ceo 3A = 4 Ceo^3 A - 3 Ceo A$$

$$Sin 2A = \frac{2 7an A}{1 + 7an^2 A}$$

$$Ceo 2A = \frac{1 - 7an^2 A}{1 + 7an^2 A}$$

 $\frac{1 + \cos 2\theta}{1 - \cos 2\theta} = 2 \cos^2 \theta \\
 \frac{1 - \cos 2\theta}{2 - \cos^2 \theta} = 2 \sin^2 \theta \\
 \frac{3 \tan \theta - \tan^3 \theta}{1 - 3 \tan^2 \theta}$